PROJ.: ASSIUT HYDROCRACKING COMPLEX
OWNER: ASSIUT NATIONAL OIL PROCESSING COMPANY(ANOPC)

MATERIAL REQUISITION No.

079254C MR |4|1|9|0|–|0|0|3

ITEM: 55–Z–001

SR Doc. CODE: B1002

PURCHASE ORDER N.: 079254A0166

VENDOR DOCUMENT REVIEW

- ☐ 1 REVISE AND RESUBMIT
- ☐ 2 TO BE ISSUED AS FINAL PROVIDED COMMENTS ARE INCORPORATED
- ☒ 3 NO COMMENT – FINAL ISSUE
- ☐ 4 FOR INFORMATION ONLY

jfazioli - Mar 29, 2023

clean

Document n.	Date	Commitment n°
B1002-Fabrication&quality-CP	02/12/2022	802-22

Rev.	00	Date	22/11/2022	Mod. object	First emission
Rev.	01	Date	17/03/2023	Mod. object	Modified point 10.1
Rev.	02	Date		Mod. object	
Rev.	03	Date		Mod. object	
Rev.	04	Date		Mod. object	

Installation site	Assiut (EGY)	
Scale	---	
Drawn by	M.A.	Sign

Fabrication & quality Control Plan

WHEEL WASHING SYSTEM

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Customer

TECHNIP ENERGIES ITALY

				Washing Station - COMPLETE UNIT				PAGE 1/TOT
Item (phase)	Activities / Description	Applicable Documents	Acceptance Criteria	Requesto of Certification	CLEAN SRL	TECHNIP	ANOPC	Remarks
				Y/N	H/W/R	H/W/R	H/W/R	
1.1	Pre Inspection Meeting	N/A	N/A	N	H	H	H	
1.2	Suborder check	MD7303-A/project drawings	To check correspondance/Quantities	N	R	R	R	For main materials and/or activities complete with all the technical attachments
1.3	Inspection of suborderer components	MD7303-A	Visual check	N	R	R	R	See pertinent sheets
1.4	Material test Certificates			Y	R	R	R	At least compliance certificates. See single item sheets
1.5	Visual and Dimensional check	Porject drawings	Corrispondence with project drawings	Y	W	W	W	
1.7	Check against Process Flow Diagram			N	W	W	W	
1.8	Mechanical protection degree	N/A	N/A	Y	R	R	R	Visual check – Compliance certificate required
1.9	Nameplate and tagging check	A0102-P&I-01	Visual check	N	W	W	W	For all components – instruments included
1.10	Wiring check	MD7531	Visual check	N	W	W	W	Where applicable
1.11	Grounding circuit check	MD7531	Visual check	Y	W	W	W	
1.12	Loose material check	MD7303-A/B	To check correspondance/Quantities	Y	W	W	W	To check correspondance/Quantities
1.13	pre assembly check	MD7508-b	Visual check	Y	W	W	W	Where applicable
1.14	functionan test	MD7531-MD7508-b	Visual check	Y	W	W	W	Where applicable

				Washing Station - PUMPS EXTRACTOR				PAGE 2/TOT
Item (phase)	Activities / Description	Applicable Documents	Acceptance Criteria	Requesto of Certification	CLEAN SRL	TECHNIP	ANOPC	Remarks
				Y/N	H/W/R	H/W/R	H/W/R	
2.1	Suborder check	MD7303-A/project drawings	To check correspondance/Quantities	Y	R	R	R	For main materials and/or activities complete with all the technical attachments
2.2	Mechanical protection degree certificate	Clean's Standard Painting procedure (Supplier's procedures)	Certification from supplier	N	R	R	R	At least Conformity Certificates
2.3	Material test Certificates	Construction drawings/project spec.	Certification from suppliers	Y	R	R	R	At least compliance certificates
2.4	Visual and Dimensional check	Project drawings/construction drawings	Corrispondence with drawings dimensions	Y	W	W	W	
2.5	Nameplate and tagging check	A0102-P&I-01	Visual check	N	W	W	W	
2.6	functionan test	MD7531-MD7508-b	Correct rotation of extractor, not particolar noise of any component	Y	R	R	R	

				Washing Station - PIPING AND PIPING COMPONENTS				PAGE 3/TOT
Item (phase)	Activities / Description	Applicable Documents	Acceptance Criteria	Requesto of Certification	CLEAN SRL	TECHNIP	ANOPC	Remarks
				Y/N	H/W/R	H/W/R	H/W/R	
3.1	Material test Certificates	Construction drawings/project spec.	Certification from suppliers	Y	R	R	R	At least compliance certificates
3.2	Welders and N.D.E. operators qualification	EN ISO 15609-1/EN ISO 15614-1:2017	Certification from suppliers	Y	R	R	R	For prefabricated piping
3.3	Suborders check	MD7303-A/project drawings	To check correspondance/Quantities	Y	R	R	R	For main materials and/or activities complete with all technical attachments
3.4	NDT on welded items	N/A	N/A	Y	R	R	R	
3.5	Hydraulic Test	N/A	N/A	Y	R	R	R	
3.6	Nameplate and Tagging check	A0102-P&I-01	Visual check	N	W	W	W	To check conformity with technical data and approved drawings (c/o main Supplier)
3.7	Visual and dimensional check	Project drawings/construction drawings	Corrispondence with drawings dimensions	Y	W	W	W	To check conformity with technical data and approved drawings (c/o main Supplier)
3.8	Functional test		correct automatic working cycle	Y	R	R	R	Solenoid valve

				Washing Station - LV ELECTRIC MOTORS				PAGE 4/TOT
Item (phase)	Activities / Description	Applicable Documents	Acceptance Criteria	Requesto of Certification	CLEAN SRL	TECHNIP	ANOPC	Remarks
				Y/N	H/W/R	H/W/R	H/W/R	
4.1	Mechanical protection degree certificate	Project spec.	Certification from suppliers	Y	R	R	R	Issued by vendor (conformity, quality, internal test, etc.)
4.2	Prototype Test	N/A	N/A	Y	R	R	R	as per MFR QC procedure
4.3	Routine Test	N/A	N/A	Y	R	R	R	as per MFR QC procedure
4.4	Nameplate and Tagging check	A0102-P&I-01	Visual check	N	W	W	W	c/o main supplier
4.5	Visual and dimensional check	Material order	Corrispondence with order spec.	Y	W	W	W	c/o main supplier

				Washing Station - HVAC SYSTEM				PAGE 5/TOT
Item (phase)	Activities / Description	Applicable Documents	Acceptance Criteria	Requesto of Certification	CLEAN SRL	TECHNIP	ANOPC	Remarks
				Y/N	H/W/R	H/W/R	H/W/R	
5.1	Material test certificates	Material order/project spec.	Certification from suppliers	Y	R	R	R	At least compliance certificates
5.2	Mechanical protection degree certificate	Material order/project spec.	Certification from suppliers	Y	R	R	R	At least Conformity Certificates
5.3	Suborders check	MD7303-A/project drawings	To check correspondance/Quantities	N	R	R	R	For main materials and/or activities complete with all technical attachments
5.4	Nameplate and Tagging check	N/A	N/A	N	W	W	W	c/o main supplier
5.5	Visual and dimensional check	Material order	Corrispondence with order spec.	Y	W	W	W	To check conformity with technical data and approved drawings (c/o main Supplier)
5.6	Certification of reliability for Working Conditions	Material order/project spec.	Certification from suppliers/data sheet	Y	R	R	R	c/o main sub supplier

				Washing Station - INSTRUMENTATION SYSTEM				PAGE 6/TOT
Item (phase)	Activities / Description	Applicable Documents	Acceptance Criteria	Requesto of Certification	CLEAN SRL	TECHNIP	ANOPC	Remarks
				Y/N	H/W/R	H/W/R	H/W/R	
6.1	Material test certificates	Material order/project spec.	Certification from suppliers	Y	R	R	R	At least compliance certificates
6.2	Mechanical protection degree certificate	Material order/project spec.	Certification from suppliers	Y	R	R	R	At least compliance certificates
6.3	Suborders check	MD7303-A/project drawings	To check correspondance/Quantities	N	R	R	R	For main materials and/or activities complete with all technical attachments
6.4	Calibration test	Supplier's indication	Respect of supplier's indication	Y	R	R	R	According to supplier's standard procedure
6.5	Nameplate and Tagging check	N/A	N/A	N	W	W	W	c/o main supplier
6.6	Visual and dimensional check	Material order	Corrispondence with order spec.	Y	W	W	W	To check conformity with technical data and approved drawings (c/o main Supplier)

				Washing Station - LOCAL CONTROL PANEL & PLC				PAGE 7/TOT
Item (phase)	Activities / Description	Applicable Documents	Acceptance Criteria	Requesto of Certification	CLEAN SRL	TECHNIP	ANOPC	Remarks
				Y/N	H/W/R	H/W/R	H/W/R	
7.1	Material test certificates	Material order/project spec.	Certification from suppliers	Y	R	R	R	c/o supplier workshop according to MFR QC procedures
7.2	Mechanical protection degree certificate	Material order/project spec.	Certification from suppliers	Y	R	R	R	c/o supplier workshop according to MFR QC procedures
7.3	Check of Components characteristics	Material order/project spec.	Certification from suppliers	Y	R	R	R	c/o supplier workshop according to MFR QC procedures
7.4	Wiring check	MD7531	Visual check	Y	R	R	R	c/o supplier workshop according to MFR QC procedures
7.5	Insulation Check	N/A	N/A	Y	R	R	R	c/o supplier workshop according to MFR QC procedures
7.6	Protection system check	N/A	N/A	Y	R	R	R	c/o supplier workshop according to MFR QC procedures
7.7	Functional test	MD7531	Test approved	Y	R	R	R	at mfr main workshop
7.8	Visual and dimensional check	Material order/project spec.	Visual check	N	W	W	W	at mfr main workshop

				Washing Station - ELECTRICAL, INSTR. CABLES AND JB				PAGE 8/TOT
Item (phase)	Activities / Description	Applicable Documents	Acceptance Criteria	Requesto of Certification	CLEAN SRL	TECHNIP	ANOPC	Remarks
				Y/N	H/W/R	H/W/R	H/W/R	
8.1	Material test certificates	Material order/project spec.	Certification from suppliers	Y	R	R	R	At least compliance certificates
8.2	Mechanical protection degree certificate	Material order/project spec.	Certification from suppliers	Y	R	R	R	At least compliance certificates
8.3	Suborders check	MD7303-A/project drawings	To check correspondance/Quantities	N	R	R	R	For main materials and/or activities complete with all technical attachments
8.4	Visual and dimensional Check	Material order	Corrispondence with order spec.	N	W	W	W	at mfr main workshop
8.5	Labeling and tagging check	N/A	N/A	N	W	W	W	at mfr main workshop

				Washing Station - CABINET STRUCTURE				PAGE 9/TOT
Item (phase)	Activities / Description	Applicable Documents	Acceptance Criteria	Requesto of Certification	CLEAN SRL	TECHNIP	ANOPC	Remarks
				Y/N	H/W/R	H/W/R	H/W/R	
9.1	Material test certificates	Material order/project spec.	Certification from suppliers	Y	R	R	R	At least compliance certificates
9.2	Suborders check	MD7303-A/project drawings	To check correspondance/Quantities	N	R	R	R	For main materials and/or activities complete with all technical attachments
9.3	Electrical equipment (e.g. Light system) conformity certificates	D.M. 37/08	Certification from suppliers	N	R	R	R	As per applicable Code
9.4	Visual and dimensional Check	Material order	Corrispondence with order spec.	Y	W	W	W	at mfr main workshop
9.5	Labeling and tagging check	N/A	N/A	N	W	W	W	

				Washing Station - STEEL STRUCTURE				PAGE 10/TOT
Item (phase)	Activities / Description	Applicable Documents	Acceptance Criteria	Requesto of Certification	CLEAN SRL	TECHNIP	ANOPC	Remarks
				Y/N	H/W/R	H/W/R	H/W/R	
10.1	Material test certificates	Material order/project spec./construction drawings	Certification from supplier	Y	R	R	R	At least compliance certificates painting/galvanizing certificates to be supplied by vendor
10.2	Suborders check	MD7303-A/project drawings	To check correspondance/Quantities	N	R	R	R	For main materials and/or activities complete with all technical attachments
10.3	Welders and N.D.E. operators qualification	EN ISO 15609-1/EN ISO 15614-1:2017	Certification from suppliers	Y	R	R	R	
10.4	NDT on welds	N/A	N/A	Y	R	R	R	c/o main mfr workshop
10.5	Visual and Dimensional check	MD7303-A/project drawings	To check correspondance/Quantities/Dimension	Y	W	W	W	c/o main mfr workshop
10.6	Nameplate check	N/A	N/A	N	W	W	W	c/o main mfr workshop